



Illinois Lake Management Association

28th ANNUAL CONFERENCE

April 4th - 6th

Parke Hotel & Conference Center
1413 Leslie Dr.
Bloomington, Illinois

Come join ILMA at our 28th annual lake conference in Bloomington this April. Whether you are a lake manager, recreational lake user, researcher, public water supplier, in a lake home owner association, or interested in lakes/watersheds in any capacity, this is a conference you don't want to miss. We have two full days packed with information, but still provide plenty of time and activities for networking with fellow attendees and representatives from throughout the industry. Additional options are provided for half-day workshops on day three. For full registration information please see our website at: www.ilma-lakes.org



Thursday morning will kick-off with a keynote talk from Don Roseboom and Timothy Straub from the US Geologic Survey (USGS) on stream restoration projects in the Midwest. The keynote will be followed with concurrent sessions held Thursday afternoon and all day Friday. Each session will contain three guest speakers providing presentations on a variety of topics which can influence public safety, ecological and recreational quality of a lake, and general lake and watershed management strategies. Breaks will be provided between each session to encourage further one-on-one discussions with speakers or other guests. The following is a brief summation of the conference session topics:

Habitat Restoration: Managing a lake and its watershed by developing projects which provide for improvements for specific aquatic species can serve to create cascading benefits. This session will contain discussions on projects which include establishing fish passages to maintain migration movements to spawning areas, creating habitat structures within a watershed, and constructing habitat structures within a lake to improve survivorship of young of the year fish.

Public Outreach, Actions, and Research for Lake Management: Volunteers and not-for-profit organizations play a critical role in lake management. They can do everything from collecting water quality data to engaging lake users and the general public. This session will highlight three different perspectives on the importance of public outreach. The speakers include a representative from a state agency (Illinois Environmental Protection Agency), a university student, and a group of high school students.

Lake and Reservoir Safety and Management: Lakes need to be maintained for ecological, recreational, and public safety. This session covers dam issues (safety, permitting, and removal), initiating a rapid response program for invasive species removal, and holistic approaches to institute best management practices for water quality.

Managing Nutrients and Sediment: Nutrient and sediment management within a lake is a process of controlling both internal cycling and external imports. This session will cover exploration of cost-benefit analysis for identifying and targeting sources, implementation of projects throughout a watershed, and a detailed analysis of sediment transport to aid in the understanding of this variable.

Lake Mash-up: This session does not have an overall topic to cover, but rather provides three separate interesting lake issues: the reintroduction of the alligator gar for use in fisheries management to control overabundant species; the topic of measurable quantities of personal care products (including pharmaceuticals) found within our public water supply bodies as a source of concern for public safety and aquatic life impacts; and installation techniques for shoreline stabilization in areas which can be fairly inaccessible.

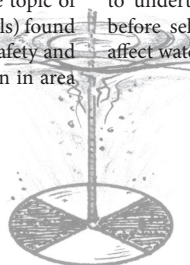
Managing Watersheds and Managing Grants: Effectively managing a lake requires the understanding of the watershed dynamics affecting it. This session will discuss developing partnerships with a multitude of potential stakeholders and groups within a watershed to implement projects focused on improving water quality, provide an example of implementing a watershed project and how to manage the data to gauge the effectiveness of projects, and an often overlooked item of managing the actually granting process after a grant is awarded.

Upcoming or Evolving Regulations: State and federal regulations are always changing and even minor alterations to policy language can have major implications for lake owners and managers. This session will cover the TMDL program, aquatic invasive species transport legislation, and changes to the NPDES permitting process now affecting septic systems.

Managing for Drought: The Midwest drought of 2012 was a reminder to lake managers in Illinois, especially to public water supply bodies, that lakes are constantly under pressure. This session will discuss not just what we can expect the 'new normal' to be with respect for weather patterns, but include policy and management decisions which can impact drought mitigation.

Algal Issues, in Illinois and Beyond: Hazardous algal blooms (HABs) have been increasing in frequency and severity throughout the Midwest over the past decade. This session will cover the current understanding of the trends for lakes in Illinois, and what the public should be aware of related to the potential health risks for human and animal health; presenters will include representatives from the Illinois Environmental Protection Agency.

What to Know about Sedimentation Removal: Dredging is on the minds of all lake owners, but it is often one of the most contentious and/or expensive activities to undertake. This session will discuss understanding the cost benefit analysis before selecting where to dredge, how suspended sediment from dredging can affect water quality, and options for low impact removal.



Conference Registration

The registration fee includes Thursday lunch and snack breaks, exhibitor reception, dinner, Friday breaks, lunch, as well as all conference materials. The registration fee for this year's conference is \$100 for current ILMA members. If you are not currently an ILMA member, the registration fee is \$120, which includes a one-year, individual ILMA membership. Special students rate of \$75 for conference materials and meals. There is an additional \$15 registration fee if you decide to attend a Saturday workshop. You can register for Saturday's workshop even if you do not plan to attend the conference. For attendees bringing a guest who does not wish to attend the conference, meal plans (\$60) are available. All fees increase by \$20 after March 10th.

Be sure to register soon as conference/workshop and hotel availability are limited. Payment can be made by check (mail) or via PayPal through the website. Cancellations will be subject to a \$20 service fee up until March 10, 2013, after which no refund will be available. See our website for the most up-to-date information: www.ilma-lakes.org

Professional Development Hours

PDHs will be provided for those guests which attend the either the 2-day conference sessions and/or the workshops; **10** PDHs will be provided for the conference sessions, **4** will be provided for attending one of the workshops.

Photo Contest

This is for all of you avid photographers out there. We know you all have great lake/water related photos laying around. Why not show them off to the rest of the world! The first place entry will receive \$50 and be featured on the cover of the 2014 Conference Program! (the 2012 winner will be on this year's cover) There will also be prizes for the second and third place photos.

Contest Rules:

- Photo submissions must be lake/water related and have been taken in the State of Illinois
- Limit TWO photos per attendee
- Photos must be submitted on 8x10 photographic paper (B&W or color)
- Submission deadline is 2pm on the first day of the conference (April 4th), photos can be dropped off at the registration desk if not mailed in. No late entries will be accepted.
- Include your name, title, where photo was taken, phone number and email on the back of the photo.

If mailing, send photos to:
P.O. Box 20655
Springfield, IL 62708

General Conference Schedule

THURSDAY

9:00am - 11:00am Conference Kickoff / Keynote Address

Don Roseboom (USGS), and **Tim Straub** (USGS) will highlight the importance of sediment transport in stream restoration design and discuss the secondary benefits of nutrient reduction observed within a restored reach of Kickapoo Creek near Bloomington, Illinois. The project is part of a national USEPA monitoring program which has collected nutrient, sediment, fisheries, and vegetation data pre- and post-construction. The intense monitoring is helping to quantify the water quality and ecological benefits a restored stream system can have within both a dense agricultural and urban environment.

11:00am - 1:30pm Networking Panel Session and Lunch

1:30 pm - 5:00 pm Concurrent Conference Sessions

5:00pm - 6:00pm Exhibitors Reception

6:00pm - 8:00pm Dinner and Annual Member Meeting

8:00pm - 11:00pm Open Social

(social includes comedy acts # and #)

FRIDAY

8:30 am - 3:00pm Concurrent Conference Sessions

12:00pm - 1:30pm Lunch

1:30pm - 3:00pm Concurrent Conference Sessions

SATURDAY WORKSHOPS (9:00am - 1:00pm)

Planning and Executing a Lake Dredging Project

Peter Berrini, P.G. and Carol Shobrook

This workshop will be tailored for stakeholders who are interested in dredging as a way to maintain a healthy lake for recreation, navigation, and water storage, or who may be planning their first dredging project. Topics that will be covered in the workshop include planning, budgeting, design, permitting, dredging methods, equipment options and vendor selection. Options for dewatering, disposal, and beneficial reuse of dredged sediment will also be presented. This workshop will be conducted indoors, so that participants can view photography and video from actual dredging projects. The workshop will be held at the hotel.

The Restoration of Kickapoo Creek at the Grove

Don Roseboom, Trent Thomas, and Bryan Cross

This workshop will provide a field trip to the 'Grove' development where approximately two miles of channelized stream was restored using natural design principles. The restoration created a meandering waterway surrounded by more than 80 acres of restored prairie and wetland habitats. The restoration took place as an integrated element within a new urban growth cell of the City of Bloomington which provides stormwater runoff control, nutrient reduction, high quality aquatic and terrestrial habitat, while also providing aesthetic benefits for the surrounding urban development.